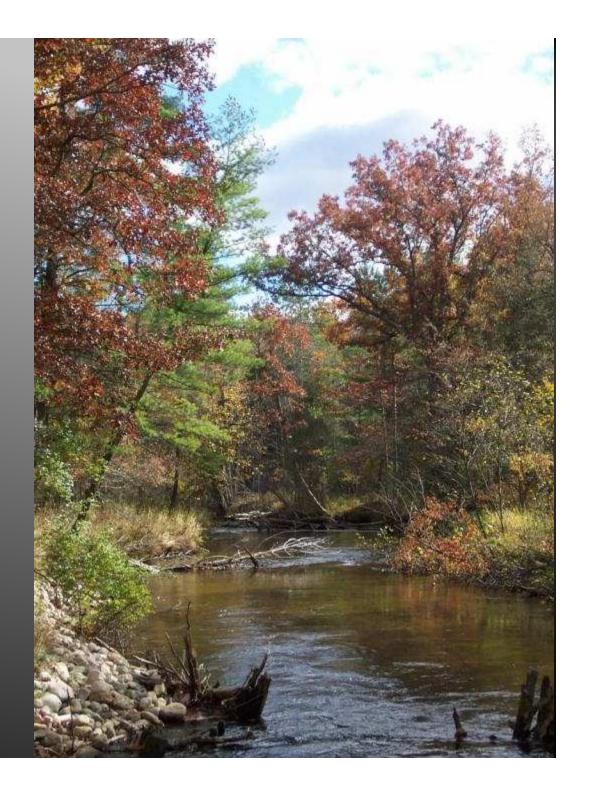
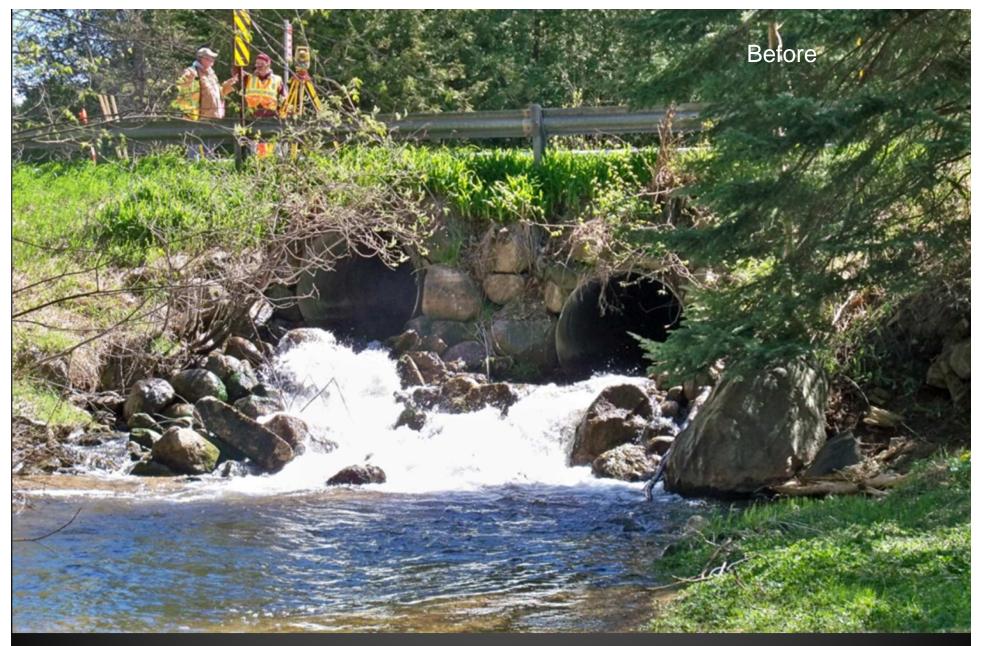
View from the Field -Connecting Streams in Northern MI

Amy Beyer
Director



Conservation Resource Alliance

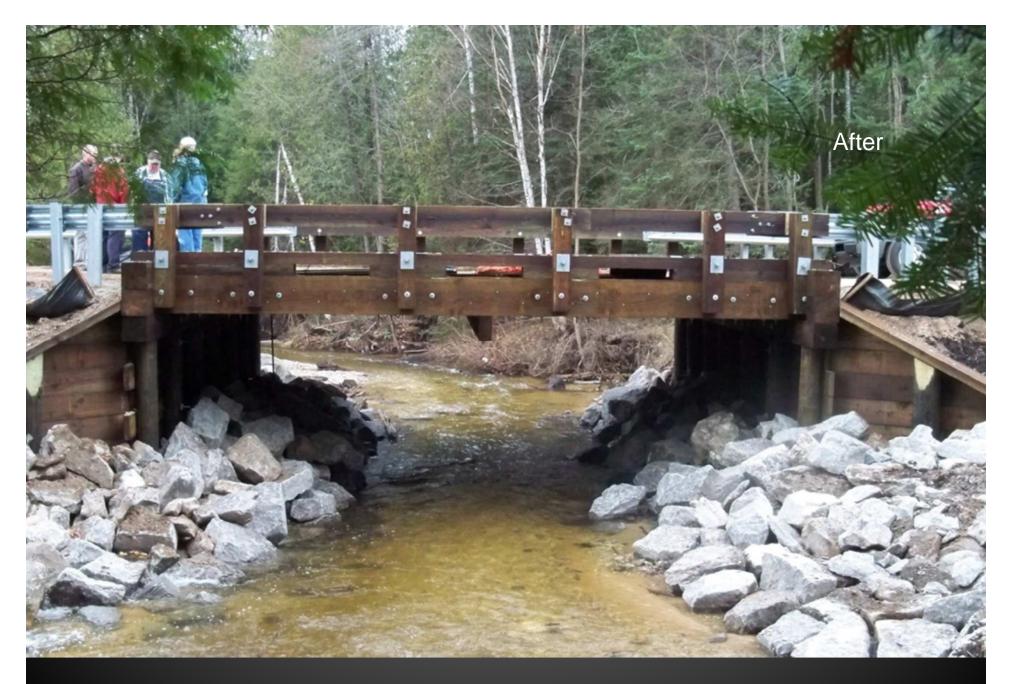




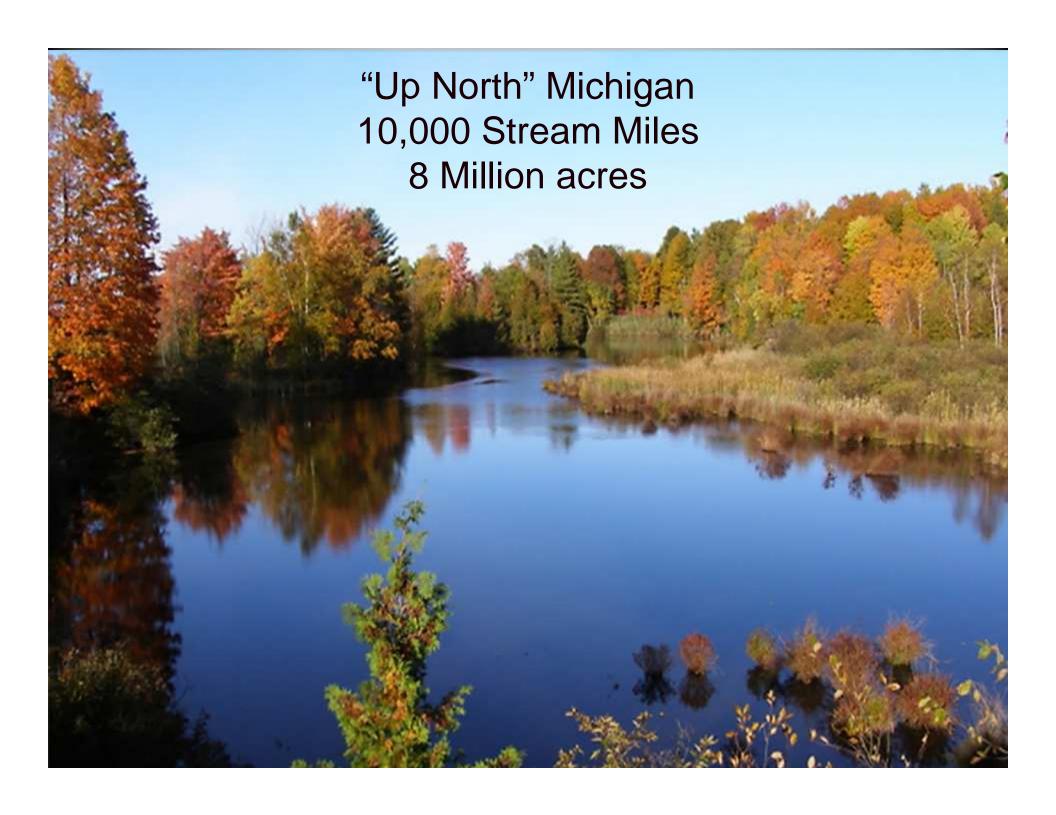
In between the model, the money and the ribbon cutting



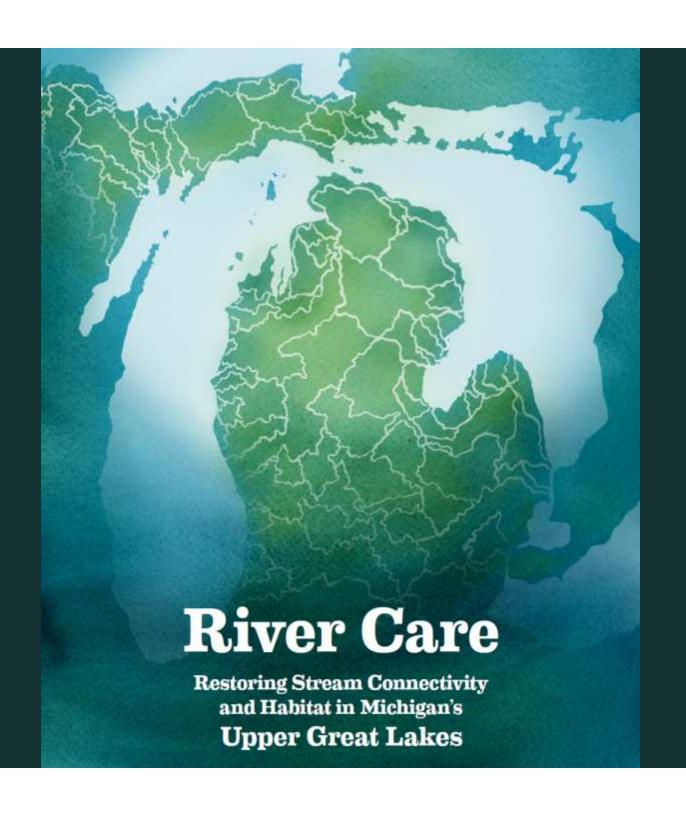
What's the Process?
How Are Projects Selected?



Overcoming Challenges







Project Watersheds

- 1 Pere Marquette River
- 2 Big Sable River
- 3 Little Manistee River
- 4 Pine River
- 5 Bear River
- 6 Manistee River
- 7 Betsie River
- 8 Platte River
- 9 Boardman River
- 10 Au Sable River
- 11 Pine River-Van Etten Lake
- 12 Boyne & Jordan Rivers
- 13 Sturgeon River
- 14 Pigeon River
- 15 Black River
- 16 Thunder Bay River
- 17 Ocqueoc River
- 18 Maple River
- 19. Carp River
- 20 Two Hearted River



The large and small tributaries flowing into northern Lake Michigan, northern Lake Huron, and Lake Superior provide high quality water inputs and resiliency, protecting the Great Lakes from future threats.

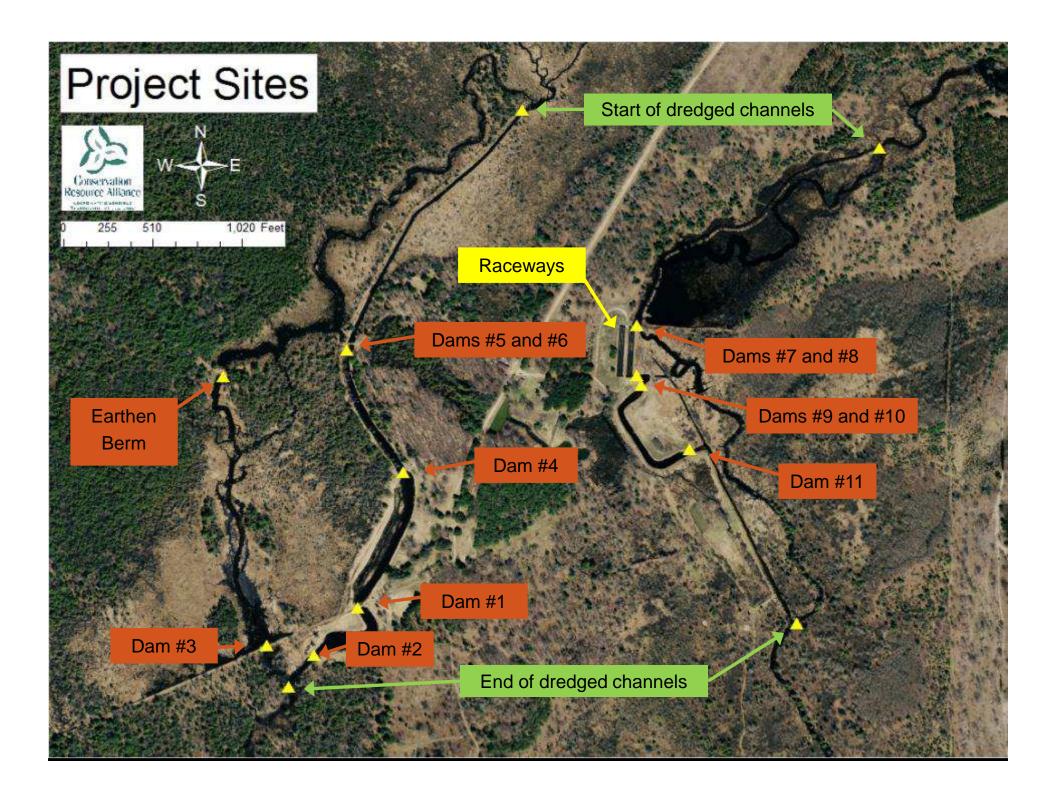
These globally rare habitats are characterized by cold water, groundwater input, sandy soils, and large connected wetland/riparian corridors with dominant forested land cover.

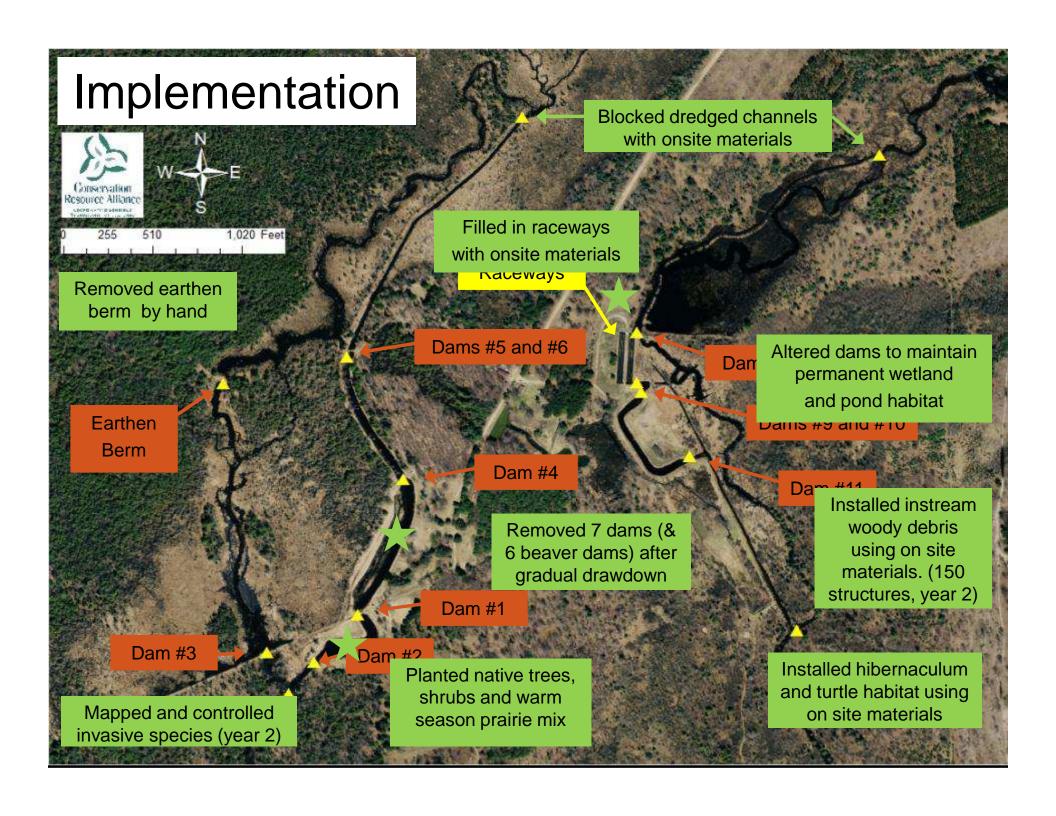


















The Pere Marquette and Pine River

Road Crossings Improvement Project



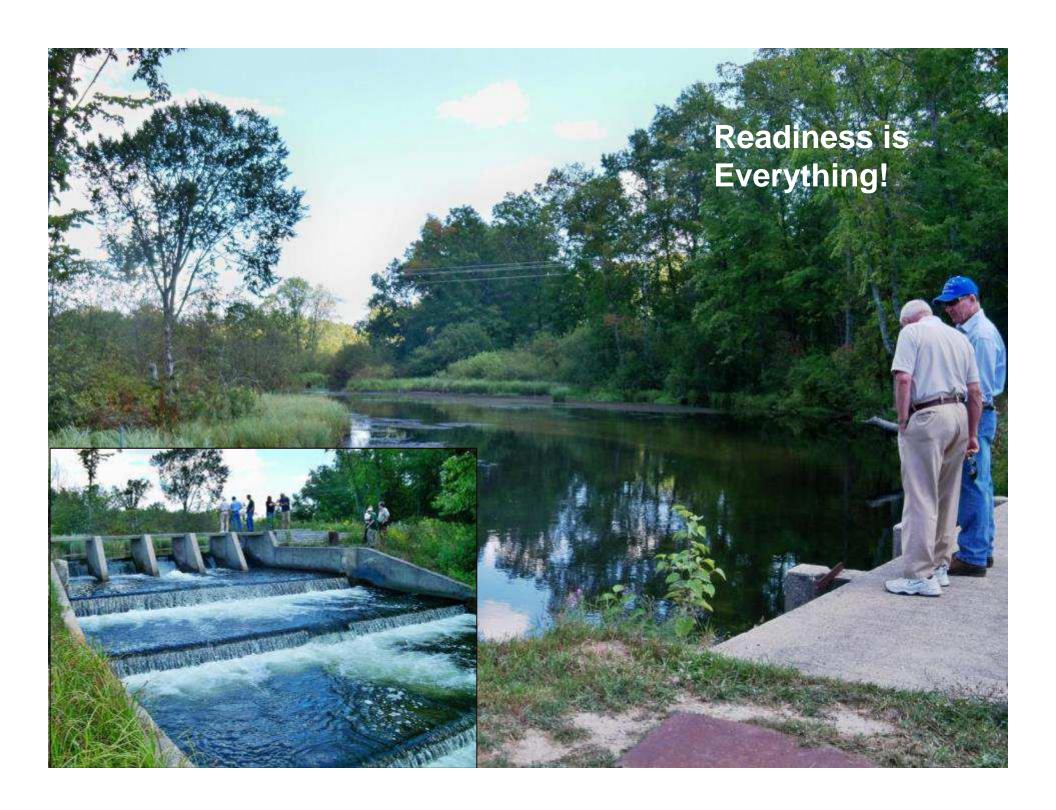
Pine River Watershed

Pere Marquette River Watershed

In 2009, the US Forest Service awarded the Conservation Resource Alliance (CRA) and the Lake County Road Commission (LCRC) grants totaling \$1,100,000 through the American Recovery and Reinvestment Act. CRA and LCRC provided an additional \$650,565 in match and grants, and completed 8 stream restoration projects. The focus was replacing and improving road/stream crossings in Lake County in the Pere Marquette and Pine River watersheds. Lake County is home to 200,000 acres of public-owned land, much of it in the Huron-Manistee National Forest. The Pere Marquette and Pine Rivers are both National Wild and Scenic Rivers, and State-designated Blue Ribbon Trout

PROJECT SITES

- 1. Baker Creek & 56th Street
- 2. Sanborn Creek & Kings Highway
- 3. Sanborn Creek & Nelson Road
- 4. Baldwin River & 40th Street
- 5. Kinney Creek & Wingleton Road
- 6. Pere Marquette Tributary & Mac Road
- 7. Sweetwater Creek & Wingleton Road
- 8. Silver Creek & State Road







Reimbursement terms

Many different compliance terms, schedules, report formats, permit requirements

Eligible costs

Indirect costs

Matching funds

And all different!







Difficult to Fund

- Monitoring and Surveys
- Communications and PR
- Engineering and Geotechnical
- Project Planning,
 Landowner and
 Community Discussions
- Future Phases



Legal and Insurance

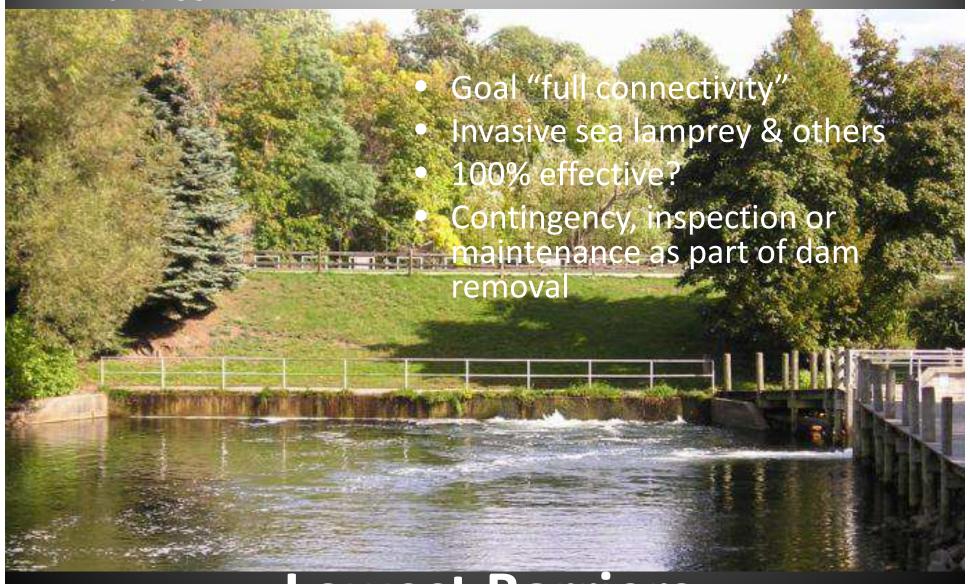
- Water (and sediment) moves
- Protecting NGO partners, how to structure agreements

Are there ways to offer

blanket protection?



Union Street Dam Built 1867



Lowest Barriers



